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February 8, 1985

Mr. Terry Ayers
Illinois Environmental Protection Agency
Hazardous Substance Control Section
Division of Land Pollution Control
2200 Churchill Road
Springfield, Illinois 62706

Re: Additions to Peoria County ERRIS List

Dear Mr. Ayers:

To follow up on our conversation of yesterday, I am submitting three candidates for inclusion on the ERRIS List for Peoria County. Enclosed is a map with three sites marked in red marker and labeled A,B, & C.

Site "A" is mentioned in EPA file #14381203, which is the Peoria Disposal Company's hazardous waste site in Pottstown, Illinois. I have copied three pages from that file which are excerpts from a letter to William Schwartz of the Peoria Disposal Company, dated January 26, 1982, from Environmental Research & Technology, Inc. The excerpts from that file refer to an old five acre disposal area along Big Hollow Creek and suggest a monitoring well to be installed approximately 1,000 feet northeast of presently existing well labeled "G-11".

The site marked with the letter "B" should be a familiar one to EPA. It is commonly referred to in this area as Jansen's Dump. I believe that you are personally familiar with the site. I am sure that EPA has a thick file on it due to the former operator's negligent operation of the site. Given the operator's willingness to take virtually anything, it is very conceivable that some quantities of hazardous materials were improperly disposed of on the site. I believe the site is south of Harmon Highway and just north of the bend in the Kickapoo Creek in that area.

The third site, labeled "C" on the enclosed map, is the location of the former Commercial Solvents Plant near the intersection of Clarke and Darst streets. That company's record of careless dumping is well known in this area. I believe that it is likely that EPA has files on that location also. I think the site is now owned by the City of Peoria.

February 8, 1985
Mr. Terry Ayers
(continued)

I was glad to hear that EPA is studying both of the Peoria National Disposal sites referred to in EPA files as Peoria National Disposal #1 and Peoria National Disposal #2. The ERRIS which I was supplied with made no reference to which National Disposal site was on the list for review. Peoria National Disposal #2 (EPA #14306508) is the one which accepted 500 cubic yards of acrylonitrile contaminated soil resulting from a railroad chemical spill.

I look forward to copies of all preliminary assessments performed on Peoria County sites. I would also like to request copies of the on-site inspections performed by IEPA, US EPA or any of either parties' contractors. In addition, we would like to be apprised of any field inspections of the sites and allowed to accompany the inspectors.

With regard to our conversation of yesterday, IEPA has turned over to US EPA the preliminary assessments on the following sites with the request that US EPA review the preliminary assessment with a view towards performing individual site inspections.

1. National Disposal Company #1 & #2, 2424 W. Clarke Street, Peoria, Illinois
2. Akron Land Corporation, Princeville, Illinois
3. Midland Coal Company, Trivoli, Illinois
9. Bemis Company, Inc., Peoria, Illinois
13. SEA Corporation, 75 Sanger Street, Peoria, Illinois
17. Freeman United Coal Company, R.R. #1, Banner Mine #27, Glasford, Illinois

On behalf of the Heart of Illinois Sierra Club, I thank you and Jim Frank for your friendly, prompt, and expert assistance.

Very truly yours,

Richard E. Grawey

REG:wah

cc: James F. Frank

(A)

...IENTAL RESEARCH & TECHNOLOGY, INC.
...ROAD CONCORD, MASSACHUSETTS 01742, USA, (617) 369-8010, TELEX 923335 ENVIRORES CNCM CABLE ERTCON

Mr. William Schwartz
Peoria Disposal Company
113 North Swords Avenue
Peoria, Illinois 61604

ERT Project B-260
January 26, 1982

Dear Bill:

The purpose of this report is to provide an updated evaluation of ground water conditions and monitoring installations at the Peoria Disposal Company (PDC) facility, Pottstown, Illinois. It incorporates new data from soil borings, water level observations and some analyses of ground water quality from three observation wells completed during the latter half of 1981.

Recent subsurface characterization efforts originated from site observations and reviews of older site data, and discussions with PDC personnel conducted in early 1981. ERT summarized its findings and made eleven recommendations in a preliminary evaluation of the monitoring system dated 10 June, 1981.

Because existing data was judged inadequate to characterize the site geology and hydrology additional subsurface explorations were undertaken. The purpose of the work was to

a) determine the extent and thickness of sand strata underlying silty clay till.
b) establish the elevation of bedrock on which sand strata lie.
c) install observation wells to determine ground water elevation and flow direction, and characterize water quality in the uppermost aquifer as specified in RCRA requirements.

Borings for four new observation wells were conducted around the periphery of the facility at locations selected to maximize the return of useful geologic and hydrologic data.

The following sections of this report interpret new geologic and hydrologic data and provide evaluations of the PDC groundwater monitoring system.

leakage of sulfate-rich water from bedrock may be influencing water quality in this area. However, other water quality parameters do not show conclusive evidence of such an effect.

Chlorinated organic compounds do not appear to be significant constituents of local ground water based on determinations for common pesticides and herbicides that are below detection limits and very low total organic halogen (TOX) concentrations that range from 17 to 62 ppb. TOX is a relatively new indicator of a class of organic chemical compounds characterized by any of the halogens - chlorine, bromine or iodine. It is thus a sensitive indicator for many pesticides, industrial solvents, and even chlorinated wastewater. TOC is an even more general indicator representing the large class of naturally occurring and synthetic compounds that are characterized by organic carbon. TOC and TOX levels in the Sankoty aquifer appear to reflect local natural or background concentrations.

More rigorous statistical evaluation of chloride, nitrate, sulfate and other parameter trends requires completion of on-going quarterly sampling as specified in the PDC Water Monitoring Manual. It describes adequate procedures, frequencies, and techniques for ground water monitoring as required under RCRA paragraphs 265.92 and 265.93. Appendices I, II and III of the PDC manual indicate the array of parameters to be analyzed. The list conforms to RCRA requirements for water quality monitoring.

Although not required by RCRA, PDC should consider a second upgradient monitoring well approximately 1000 feet northeast of well G-111. Access to this area is known to be difficult but a location on the south side of the Chicago and Northwestern Railroad line would create an excellent monitoring site located directly up gradient of presently active PDC disposal areas. Analytic data from this location may eventually be required if on-going sampling from well G-111 indicates that an old, five-acre municipal (?) disposal area along Big Hollow Creek is affecting water quality in the Sankoty.

Site A

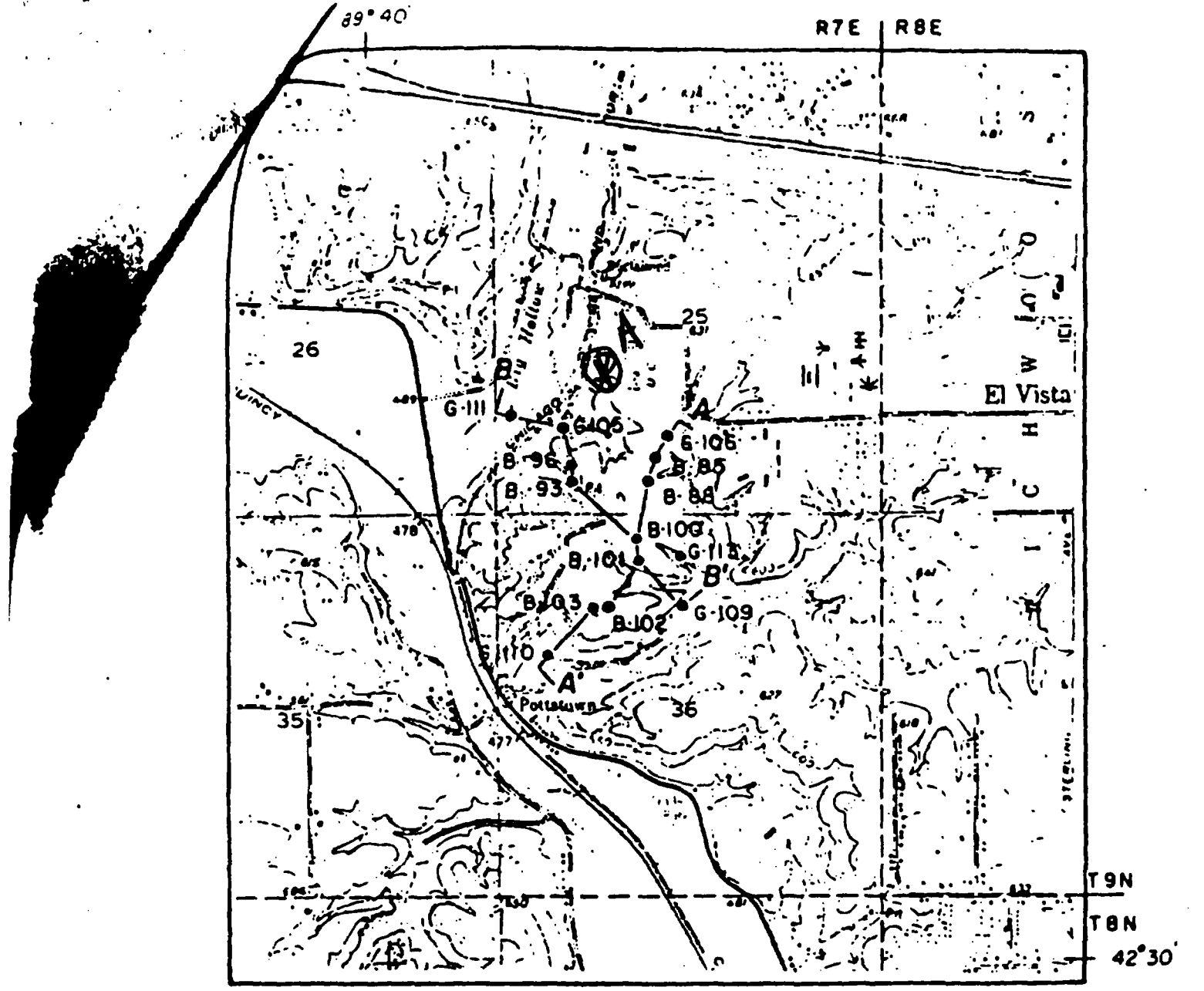
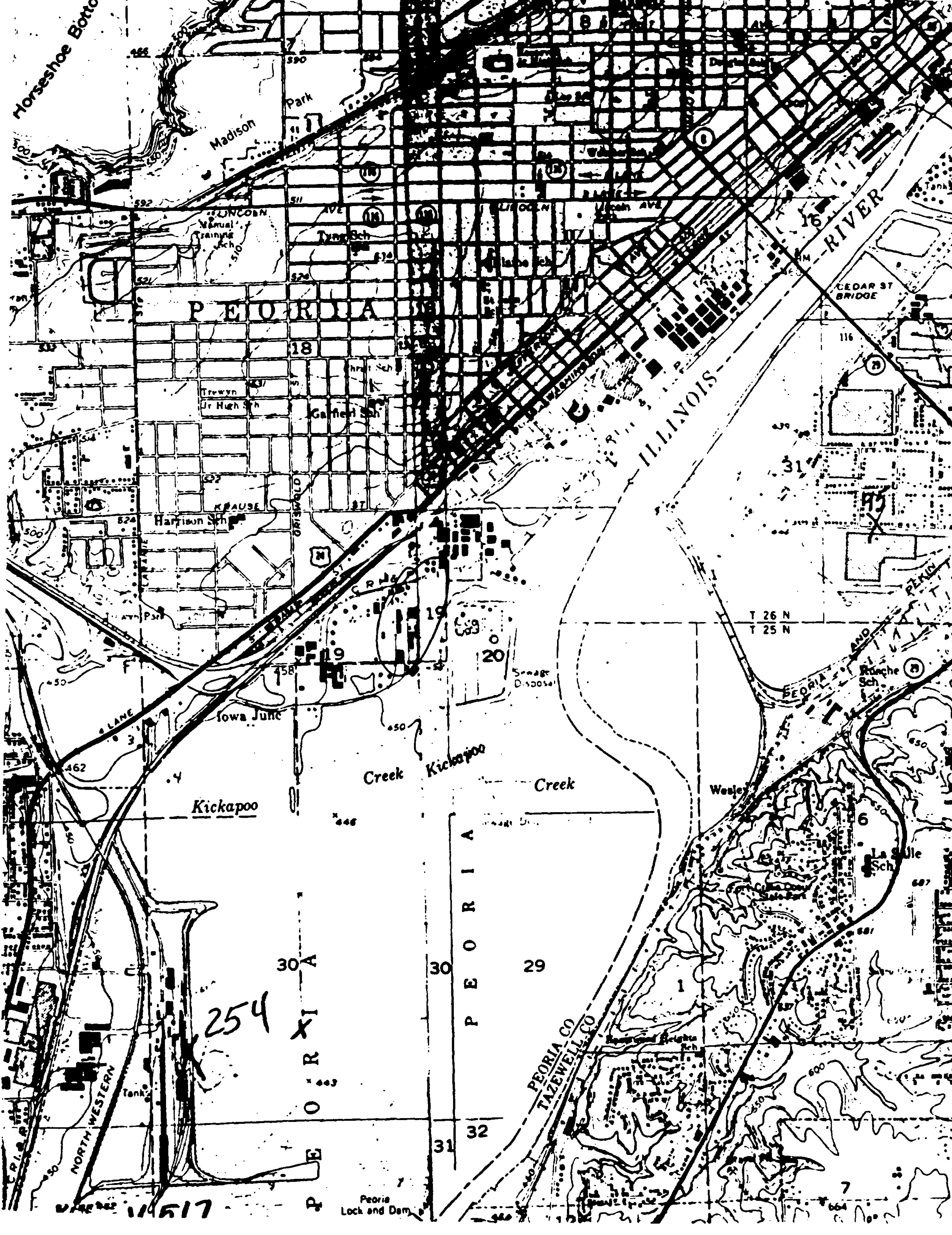


FIGURE 1 - SITE LOCATION AND CROSS SECTION ALIGNMENT MAP


Horseshoe
Madison
Park
LINCOLN
Manual Training Sch
Lincoln Ave
PEORIA
18
Trewyn Jr High Sch
Garfield Sch
KRAUSE
GRISWOLD
Harrison Sch
RIVER
16
CEDAR ST BRIDGE
ILLINOIS
31
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PEKIN
19
20
Sewage Disposal
Iowa Junc
4 LANE
Kickapoo
Creek
Kickapoo
Creek
6
La Salle Sch
PEORIA
PEORIA
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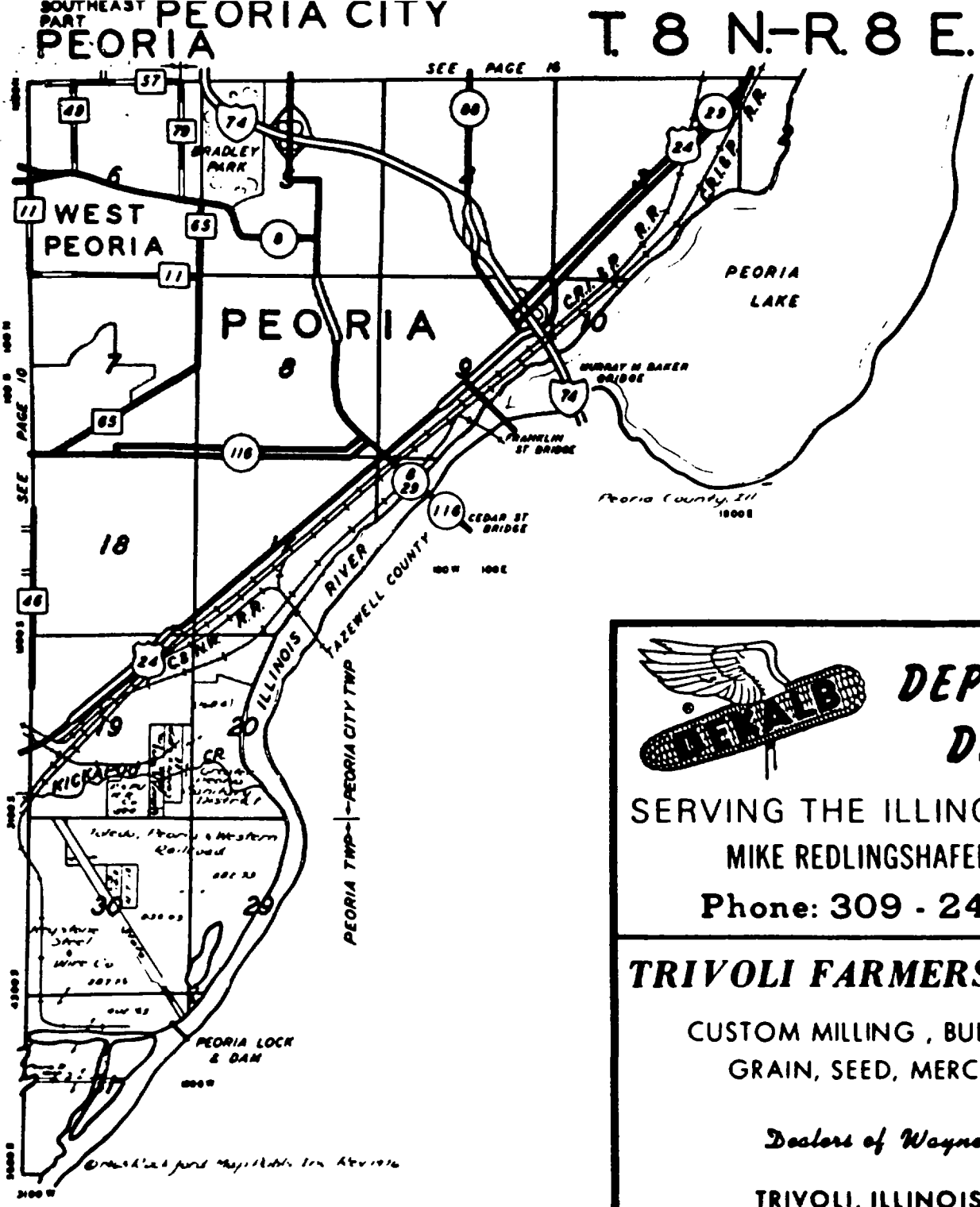
PEORIA CO
TAZEWELL CO
NORTH WESTERN
Tank
32
31
7
Peoria Lock and Dam



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